Journal of Cellular Biochemistry

Volume 28, 1985

EDITORS

In the United States
C. FRED FOX
Molecular Biology Institute
University of California, Los Angeles

In Europe
MAX M. BURGER
Biozentrum der Universität Basel
Basel, Switzerland

ALAN R. LISS, INC.

© 1985 Alan R. Liss, Inc.
41 East 11th Street
New York, NY 10003

Contents

Volume 28, Number 1 **1985**

ARTICLES

Interaction of Epidermal Growth Factor With Initiators and Complete Carcinogens in the C3H10T½ Cell Culture System, **Harvey R. Herschman and David Brankow** 1

Deposition of Type X Collagen in the Cartilage Extracellular Matrix, **Ranieri Cancedda, Olga Capasso, Patrizio Castagnola, Fiorella Descalzi-Cancedda, and Natalina Quarto** 7

Enzymes Converting Procollagens to Collagens, **L. Peltonen, R. Halila, and L. Ryhänen** 15

Binding of Antibodies in Liposomes to Extracellular Matrix Antigens, **V.P. Torchilin, A.L. Klibanov, N.N. Ivanov, M.A. Gluckhova, V.E. Koteliansky, H.K. Kleinman, and G.R. Martin** 23

Matrix Influence on the Tumor Cell Stimulation of Fibroblast Collagenase Production, **Chitra Biswas** 39

Limited Proteolytic Digestion of Coated Vesicle Assembly Polypeptides Abolishes Reassembly Activity, **Sam Zaremba and James H. Keen** 47

Increased Turnover of Surface Insulin Receptors in Fibroblastic Cultures From Genetically Diabetic (DB/DB) Mice, **Ranjana Kadle, Mohan K. Raizada, and Robert E. Fellows** . . 59

Anti-idiotypic Antibody Identifies the Cellular Receptor of Reovirus Type 3, **Glen Gaulton, Man Sung Co, and Mark I. Greene** 69

INVITED REVIEW

Biosynthesis of Collagen, **John H. Fessler, Kurt J. Doege, Keith G. Duncan, and Liselotte I. Fessler** 31

Volume 28, Number 2 **1985**

ARTICLES

Amino Acid Sequence Specificities of an Adhesive Recognition Signal, **Kenneth M. Yamada and Dorothy W. Kennedy** 99

Activation of Type I Collagen Genes in Cultured Scleroderma Fibroblasts, **Tuula Vuorio, Jyrki K. Mäkelä, and Eero Vuorio** 105

The Cell Attachment Determinant in Fibronectin, **M.D. Pierschbacher, E.G. Hayman, and E. Ruoslahti** 115

Human Keratinocytes That Have not Terminally Differentiated Synthesize Laminin and Fibronectin but Deposit Only Fibronectin in the Pericellular Matrix, **Richard A.F. Clark, Larry D. Nielsen, Samuel E. Howell, and Joy M. Folkvord** 127

Receptors for Insulin and Epidermal Growth Factor: Interaction With Organomercurial Agarose, **Linda S. Aglio, Joseph M. Maturo III, and Morley D. Hollenberg** 143

Phosphorylation of the Insulin Receptor by Casein Kinase I, **Polygena T. Tuazon, Dennis T. Pang, Jules A. Shafer, and Jolinda A. Traugh** 159

Interaction of the Insulin Receptor Kinase With Serine/Threonine Kinases In Vitro. **Hans U. Haring, Morris F. White, C. Ronald Kahn, Zafeer Ahmad, Anna A. DePaoli-Roach, and Peter J. Roach** 171

INVITED REVIEW

Recent Advances in Research on Fibronectin and Other Cell Attachment Proteins. **Kenneth M. Yamada, Steven K. Akiyama, Takayuki Hasegawa, Etsuko Hasegawa, Martin J. Humphries, Dorothy W. Kennedy, Kazuhiro Nagata, Hideko Urushihara, Kenneth Olden, and Wen-Tien Chen** 79

Volume 28, Number 3 1985

ARTICLES

Immunochemical and Biochemical Characterization of a Glioma-Associated Extracellular Matrix Glycoprotein, **Mario A. Bourdon, Thomas J. Matthews, Salvatore V. Pizzo, and Darell D. Bigner** 183

Pteridine Formation During Lectin-Induced Lymphocyte Activation, **Irmgard Ziegler** . . 197

Studies With Digitonin-Treated Rat Hepatocytes (Nude Cells), **Joseph Katz and P.A. Wals** 207

Cell Surface Galactosyltransferase: Immunochemical Localization, **Nancy L. Shaper, Paul L. Mann, and Joel H. Shaper** 229

Erratum 241

Volume 28, Number 4 1985

ARTICLES

Actin-Associated Cell-Surface Glycoprotein From Ascites Cell Microvilli: A Disulfide-Linked Multimer, **Goeh Jung, David M. Andrews, Kermit L. Carraway, and Coralie A. Carothers Carraway** 243

Evidence for p15 Cleavage Site in myc-Specific Proteins of Avian MC29 and OK10 Viruses, **Vlasta Sovová, Miloslav Trávníček, Ivo Hložánek, Hana Černá, Kari Alitalo, and Antti Vaheri** 265

Phenazine Methosulfate Stimulation of Ouabain-Sensitive Rb^+ Uptake by HeLa Cells: Effects of Respiratory Inhibitors, Anaerobiosis, and Ascorbate, **Toshitaka Ikehara, Hisao Yamaguchi, Keiko Hosokawa, Masayuki Kaku, and Hiroshi Miyamoto** 273

Interaction of Very Low Density Lipoprotein With Chicken Oocyte Membranes, **Solveig A. Krumins and Thomas F. Roth** 281

Transforming Growth Factor (TGF) Activity in Human Urine: Synergism Between TGF-Beta and Urogastrone, **Daniel R. Twardzik and Stephen A. Sherwin** 289

Differential Effects of Polyamines on Rat Thyroid Protein Kinase Activities, **Steven Levasseur, Lorraine Henricks, Thomas Poleck, Yochanan Friedman, and Gerald Burke** 299

Characterization of a Membrane-Associated Glycoprotein Complex Implicated in Cell Adhesion to Fibronectin, **Takayuki Hasegawa, Etsuko Hasegawa, Wen-Tien Chen, and Kenneth M. Yamada** 307

INVITED REVIEW

A Pathway of Coagulation on Endothelial Cells, **Peter P. Nawroth and David M. Stern** 253

Author Index to Volume 28 319

Subject Index to Volume 28 321